

**WHAT IS CLAIMED IS:**

1. A lockset, comprising:  
a lock mechanism having an aperture;  
an operator; and  
a turn-button mounted to said operator, said turn-button including:  
5 a head portion; and  
a shaft extending from said head portion, said shaft having a leading helical  
end portion for engaging said aperture of said lock mechanism.
2. The lockset of claim 1, said leading helical end portion having a plurality  
of leading helical surfaces that taper and twist from a transition line of said shaft  
toward a tip end of said shaft.
3. The lockset of claim 2, wherein said plurality of leading helical surfaces  
smoothly transition between adjacent helical surfaces.
4. A turn-button for a lockset, comprising:  
a head portion; and  
a shaft extending from said head portion, said shaft having a leading helical  
end portion.
5. The turn-button of claim 4, said leading helical end portion having a  
plurality of leading helical surfaces that taper and twist from a transition line of said  
shaft toward a tip end of said shaft.
6. The turn-button of claim 5, wherein said plurality of leading helical  
surfaces smoothly transition between adjacent helical surfaces.
7. A lockset comprising:  
a lock mechanism including an actuator having an aperture;  
an operator;  
a turn-button mounted to said operator, said turn-button including a shaft; and

- 5 means for facilitating self-alignment of said shaft of said turn-button with said aperture of said lock mechanism as said shaft of said turn-button is inserted into said aperture of said lock mechanism.